

<223> Synthetic

<400> 825

ccgtcacgccc tcctcctcat tgaatt

26

<210> 826

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 826

ccaaaagtcc agtgatgatt ttcaccaggc aagta

35

<210> 827

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 827

cagattggaa gcatccatct

20

<210> 828

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 828

gattcaatga ggaggaggc

19

<210> 829

<211> 27
<212> DNA
<213> Artificial Sequence

<220>
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<400> 829
ccaggaagca agtggaggcg tgacggu

27

<210> 830
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 830
cactgcttcg tgg
<210> 831
<211> 26
<212> DNA
<213> Artificial Sequence

13

<220>
<223> Synthetic
<400> 831
ccgtcacgcc tccttcggag ttgggt

26

<210> 832
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 832
ccgtcācgcc tccttcggag tttggtt

27

<210> 833
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 833
gggttgtgga gtgagtggtc aagta

25

<210> 834
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 834
aacccaaact ccgaaggcgg cgtg

24

<210> 835
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 835

cggaagaagc agttggaggc gtgacggt

28

<210> 836

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 836

caacgcttcc tccg

14

<210> 837

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 837

gccgtcacgc ctctttgggt ttgcttgtc

29

<210> 838

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 838

gccgtcacgc ctctttgggt ttgcttgt

28

<210> 839

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 839

tggagtgagt gttcaagtct tcggaga

27

<210> 840

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 840

gacaagcaaa cccaaagagg cg

22

<210> 841

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 841
cggaagaagc agttggaggc gtgacggc

28

<210> 842

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 842
caacgcttcc tccg

14

<210> 843

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 843
cctgtctcgc tgccttcgga gtttggg

27

<210> 844

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 844

cctgtctcgcc tgccttcgga gtttgg

26

<210> 845

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 845

gggttgtggaa gtgagtgttc aagta

25

<210> 846

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 846

cccaaactcc gaaggcagcg

20

<210> 847

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 847

cggaggaagc agttggcagc gagacagg

28

<210> 848

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 848

cggaggaaggc agttggcagc gagacagg

28

<210> 849

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 849

cggaggaaggc agttggcagc gagacagg

28

<210> 850

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 850

cggaggaagg agttggcagc gagacagg

28

<210> 851

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22) .. (22)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>

<221> modified_base

<222> (26) .. (26)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 851

cggaggaagg agttggcagc gagacagg

28

<210> 852
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (18)..(18)
<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>
<221> modified_base
<222> (26)..(26)
<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 852
cgaggaago agttggcagc gagacagg

28

<210> 853
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (18)..(18)
<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>
<221> modified_base
<222> (22) .. (22)
<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 853
cggaggaagc agttggcagc gagacagg

28

<210> 854
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4) .. (4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 854
caacgcttcc tccg

14

<210> 855
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 855
gccgtcacgc ctctgggaca cttgctgc

28

<210> 856
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 856
gccacaatgg tcttgaagat cacagttct ta

32

<210> 857
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 857
gcagcaagtg tcccgaggc g

21

<210> 858
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 858
cggaagaagc agttggaggc gtgacggc

28

<210> 859
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 859
caacgcttcc tccg

14

<210> 860
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 860
ccgtcacgcc tccttcggag tttggg

26

<210> 861
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 861
gggttgtgga gtgagtgttc aagta

25

<210> 862
<211> 20
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 862

gggaaaactcc gaaggaggcg

20

<210> 863

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 863

ccaggaagca agtggaggcg tgacggu

27

<210> 864

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 864

cactgcttcg tgg

13

<210> 865

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 865

cggccgagatc actttcggag tttggg

26

<210> 866

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 866

gggttgtgga gtgagtgttc aagta

25

<210> 867

<211> 20.

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 867

cccaaactcc gaagggtgatc

20

<210> 868

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 868

cggaagaagc agttggtgat ctcggcg

28

<210> 869

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 869

caacgcttcc tccg

14

<210> 870

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 870

aacgaggcgc accttcggag tttggg

26

<210> 871

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 871
gggttgttga gtgagtgttc aagta 25

<210> 872

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 872
cccaaactcc gaaggtgcg 19

<210> 873

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 873
cggaagaaggc agttggtgcg cctcgtaa 29

<210> 874

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 874
caacgcttcc tccg

14

<210> 875

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 875
ccgtcacgcc tccttcggag ttgg

25

<210> 876

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 876
gggttgtgga gtgagtgttc aagta

25

<210> 877

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 877

gttgcttgt ccaggtgg

18

<210> 878

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 878

ccaaactccg aaggaggcg

19

<210> 879

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 879

cggagaaggc agttggaggc gtgacggt

28

<210> 880

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 880
caacgcttcc tccg

14

<210> 881

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 881

ccgtcacgcc tccttcggag ttgg

24

<210> 882

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 882

gggttgtgga gtgagtgttc aagta

25

<210> 883

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 883

gttttgcttg tccaggtgg

19

<210> 884

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 884

ccaaactccg aaggaggcg

19

<210> 885

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 885

cggagaaggc agttggaggc gtgacggt

28

<210> 886

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 886

caacgcttcc tccg

14

<210> 887

<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 887
ccgtcacgccc tccttcggag ttt

23

<210> 888
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 888
gggttgtgga gtgagtggtc aagta

25

<210> 889
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 889
gggtttgctt gtccagggtg
<210> 890
<211> 19
<212> DNA
<213> Artificial Sequence

19

<220>

<223> Synthetic

<400> 890
ccaaactccg aaggaggcg 19

<210> 891

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 891
cggaagaagc agttggaggc gtgacggt 28

<210> 892

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 892
caacgcttcc tccg 14

<210> 893

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 893
ccgtcacgcc tccggagttt ggg 23

<210> 894

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 894
gttgtggagt gagtgttcaa gtatta 26

<210> 895

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 895
tttgcttgtc caggtggtcc ag 22

<210> 896

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 896
cccaaactcc ggaggcgc 17

<210> 897
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 897
cggaagaago agttggaggc gtgacggt

28

<210> 898
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4) .. (4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 898
caacgcttcc tccg
<210> 899
<211> 23
<212> DNA
<213> Artificial Sequence

14

<220>
<223> Synthetic

<400> 899
cgccgagatc accggagttt ggg

23

<210> 900

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 900
gttgtggagt gagtgttcaa gtatta

26

<210> 901

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 901
tttgcttgtc caggtggtcc ag

22

<210> 902

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 902
cttagtggcct caaaccc

17

<210> 903

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 903

cggaagaagc agttgggtgat ctcggcgg

28

<210> 904

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 904

caacgcttcc tccg

14

<210> 905

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 905

cgcgcgagatc acctttacat tttctatcgt

30

<210> 906

<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 906
cgccgagatc acctttacat tttctatcgt 30

<210> 907
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 907
ccttccttat cctggatctt ggca 24

<210> 908
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 908
acgatagaaa atgtaaaagg gatc 24

<210> 909
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 909
cgcagtgaga atgaggtgat ctggcggt 29

<210> 910

<211> 14.

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3) .. (3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 910
ctcttctcag tgcg 14

<210> 911

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 911
gtttcttttg tgtctccgca ctgcc 25

<210> 912

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 912
ccagcagtaa atgctccagt tgtaga 26

<210> 913

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 913
tagaaacttga agtaggtgc 19

<210> 914

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 914
caaagaaaaac acaggaggc 19

<210> 915

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 915
ccaggaagca agtggaggcg tgacggu 27

<210> 916
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 916
cactgcttcg tgg 13

<210> 917
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 917
aacgaggcgc acctgtgttt tccttg 26

<210> 918
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 918
ccagcagtaa atgctccagt tgtaga 26

<210> 919
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 919
tagaaacttga agtaggtgc

19

<210> 920
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 920
caaagaaaaac acaggtgcg

19

<210> 921
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 921
ccaggaagca agtggtgcgctcgttt

27

<210> 922
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 922
cactgcttcg tgg

13

<210> 923
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 923
ccgtcacgcc tcctccagtt gtag

24

<210> 924
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 924
aaaatcatct gtaaaatccag cagtaaatga

30

<210> 925
<211> 20
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 925

ctgtgttttc tttgtagaac

20

<210> 926

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 926

ctacaactgg aggaggc

17

<210> 927

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 927

ccaggaagca agtggaggcg tgacggu

27

<210> 928

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 928
cactgcttcg tgg

13

<210> 929
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 929
aacgaggcgac acctccagtt gtag

24

<210> 930
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 930
aaaatcatct gtaaatccag cagtaaatga

30

<210> 931
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 931

ctgtgttttc tttgtagaac

20

<210> 932

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 932

ctacaactgg aggtgcg

17

<210> 933

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 933

ccaggaagca agtggtgcgc ctcgttt

27

<210> 934

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3) .. (3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 934
cactgcttcg tgg

13

<210> 935

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 935
ccgtcacgcc tcctgtgttt tctttgta

28

<210> 936

<211> 32

<212> DNA

<213> Artificial Sequence

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32

<210> 937

<211> 23

<212> DNA

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<223> Synthetic

<400> 937
gaaccttgaag taggtgcact gtt

23

<210> 938
<211> 23
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<220>
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<400> 938
tacaaaagaaaa acacaggagg cgt

23

<210> 939
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
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<400> 939
ccaggaagca agtggaggcg tgacggu

27

<210> 940
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<220>
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<220>
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<222> (3)...(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 940
cactgcttcg tgg

13

<210> 941
<211> 28
<212> DNA
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<220>
<223> Synthetic

<400> 941
aacaggcgcc acctgtgttt tccttgta

28

<210> 942
<211> 32
<212> DNA
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gttaatccag cagtaaatgc tccagttgta ga

32

<210> 943
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<400> 943
gaacttgaag taggtgcact gtt

23

<210> 944
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<212> DNA
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<220>

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<400> 944

tacaaagaaa acacagggtgc g

21

<210> 945

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 945

ccaggaagca agtggtgcgctcgttt

27

<210> 946

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)...(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 946

cactgcttcg tgg

13

<210> 947

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 947

ccgtcacgccc tcctccagtt gtaa

24

<210> 948

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 948

ccgtcacgccc tcctccagtt gtat

24

<210> 949

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 949

ccgtcacgccc tcctccagtt gtac

24

<210> 950

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 950
aaaatcatct gtaaatccag cagtaaatga 30

<210> 951

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 951
ctgtgttttc tttgtagaac 20

<210> 952

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 952
ctacaactgg aggaggc 17

<210> 953

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 953
ccaggaagca agtggaggcg tgacggu 27

<210> 954

<211> 13

<212> DNA
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<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 954
cactgcttcg tgg 13

<210> 955
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 955
gccgtcacgc ctcccttctt gatg 24

<210> 956
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 956
ttcttagacac tgaagatgtt tcagttctgt gga 33

<210> 957

<211> 20
<212> DNA
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<220>
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<400> 957
catgccccaaag aaggggaggcg

20

<210> 958
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 958
cggaagaaggc agttggaggc gtgacggc

28

<210> 959
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 959
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14

<210> 960
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 960
ccgtcacgcc tctaattcca ttcaaaaatca tct

33

<210> 961
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 961
catcctggtg agtttggat tcttgtaatt tata

34

<210> 962
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 962
gttaaatccag cagtaaatgc tccag

25

<210> 963
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 963

agatgatttt gaatgaaatt agaggcg

27

<210> 964

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 964

cggagaaggc agttggaggc gtgacggc

28

<210> 965

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 965

caacgcttcc tccg

14

<210> 966

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 966

cggccgagat cacctgtgtt ttctttgta

29

<210> 967

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 967

gttaaatccag cagtaaatgc tccagttgta ga

32

<210> 968

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 968

gaacttgaag taggtgcact gtt

23

<210> 969

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 969
gaaccttgaag taggtgcact gtt

23

<210> 970

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 970

gaaccttgaag taggtgcact gtt

23

<210> 971

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 971

gaaccttgaag taggtgcact gtt

23

<210> 972

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 972

tacaaaagaaaa acacaggta tct

23

<210> 973

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 973

cggaggaagc agttgggtgat ctcggcg

28

<210> 974

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 974

caacgcttcc tccg

14

<210> 975

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 975

aacgaggcgc acccttcttg ggcatg

26

<210> 976

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 976
ttcttagacac tgaagatgtt tcagttctgt gga

33

<210> 977
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 977
catgcccaag aagggtgcg

19

<210> 978
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<400> 978
cggaagaagc agttggtgcg cctcgtaa

29

<210> 979
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<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 979
caacgcttcc tccg

14

<210> 980
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 980
aacgaggcgc actaattcca ttcaaaaatca tct

33

<210> 981
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 981
catcctggtg agtttgggat tcttgtaatt tata

34

<210> 982
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 982

gtaaatccag cagtaaatgc tccag

25

<210> 983

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 983

agatgatttt gaatggaaatt agtggt

26

<210> 984

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 984

cggagaaggc agttggtgcg cctcgtaa

29

<210> 985

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 985
caacgcttcc tccg

14

<210> 986
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 986
cctgtctcgatgccagttgt gttcttggag

30

<210> 987
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 987
ccctgcagaa ggtttccttc ta

22

<210> 988
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 988
ccctgcagat ggtttccttc ta

22

<210> 989

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 989
ctccaagaac acaactggca gc

22

<210> 990

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 990
ctccaagaac acaactggca gcga

24

<210> 991

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 991
ctccaagaac acaactggca gcgaga

26

<210> 992

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 992

cggaggaagc agttggcagc gagacagg

28

<210> 993

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 993

caacgcttcc tccg

14

<210> 994

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 994

aacgaggcgc accttggagg cagcaaa

27

<210> 995

<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 995
aacaggcgacacctggagg cagcaa

26

<210> 996
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 996
aaggttccct tctcagttgt gtta

24

<210> 997
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 997
cttgctgcc tccaagggtgc g

21

<210> 998
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 998
cgaggagaagc agttggtgcg cctcgtaa 29

<210> 999

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 999
caacgcttcc tccg 14

<210> 1000

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1000
cagtcacgtc tctggaggca gcaaagatg 29

<210> 1001

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1001
aaggttcct ttcagttgt gttcta 26

<210> 1002

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1002
catcttgct gcctccagag acg 23

<210> 1003

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1003
gctactgaga tgaaggagac gtgactgta 29

<210> 1004

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1004
cttctctcag tagc

14

<210> 1005
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1005
aacgaggcgac accttggagg cagcaaag

28

<210> 1006
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1006
aaggtttcct tctcagggtgt gtta

24

<210> 1007
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1007
cttgctgcc tccaaagggtgc g

21

<210> 1008
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1008
cgaggagaaggc agttgggtgcg cctcgtaa

29

<210> 1009
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1009
caacgcttcc tcccg

14

<210> 1010
<211> 32
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1010
cgccgagatc acccctttag ttttacaaca gt

32

<210> 1011

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1011
gaattggcac tcaaatgtgt tgtcagaga

29

<210> 1012

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1012
actgttgtaa aactaaagg ggtgatct

28

<210> 1013

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1013
cgaggaagc ggttgggtat ctcggcg

27

<210> 1014

<211> 14
<212> DNA
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<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4) .. (4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1014
caacgcttcc tccg 14

<210> 1015
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1015
tgccggccgag atcacccctt tagttttaca acagt 35

<210> 1016
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1016
gaattggcac tcaaatgtgt tgtcagaga 29

<210> 1017
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1017
actgttgtaa aactaaaggg ggtg

24

<210> 1018
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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<400> 1018
actgttgtaa aactaaaggg ggtgat

26

<210> 1019
<211> 28
<212> DNA
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<220>
<223> Synthetic
<400> 1019
actgttgtaa aactaaaggg ggtgatct

28

<210> 1020
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1020
actgttgtaa aactaaaggg ggtgatctcg 30

<210> 1021

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1021
cgaggaagc gggtggat ctcggcggca 30

<210> 1022

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1022
caacgcttcc tccg 14

<210> 1023

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1023

gccggccgaga tcaccccttt agttttacaa cagt

34

<210> 1024

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1024

ccggcgagat cacccttta gttttacaac agt

33

<210> 1025

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1025

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29

<210> 1026

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1026
actgttgtaa aactaaaggg ggtgat

26

<210> 1027

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1027

cggaggaagc ggttgggtgat ctcggcggca

30

<210> 1028

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1028

caacgccttcc tccg

14

<210> 1029

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1029

aacgaggcgc acccctttag ttttacaaca gt

32

<210> 1030

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1030

gaattggcac tc当地atgtgt tgtcagaga

29

<210> 1031

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1031

agtaactgtt gtaaaaactaa aggggtgcg

29

<210> 1032

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1032

cggaggaagc agttggtgcg cctcgtaa

29

<210> 1033

<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
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<221> misc_feature
<222> (4)...(4).
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1033
caacgcttcc tccg 14

<210> 1034
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1034
aaccgaggcgc accccctttag ttttacaaca gt 32

<210> 1035
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1035
gaattggcac tcaaatgtgt tgtcagaga 29

<210> 1036
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1036
agtaactgtt gtaaaactaa aggggtgca

29

<210> 1037
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<400> 1037
cgaggaagc agttggtgcg cctcgtaa

29

<210> 1038
<211> 14
<212> DNA
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<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1038

caacgcttcc tccg

14

<210> 1039

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1039

ccgtcacgcc tcccctttag ttttacaac

29

<210> 1040

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1040

gaattggcac tcaaatgtgt tgtcagaga

29

<210> 1041

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1041

agttaactctg atattgctga taaaattctc ag

32

<210> 1042

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1042

gttgtaaaac taaaggggag gcg

23

<210> 1043

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1043

cggagaaggc agttggaggc gtgacggt

28

<210> 1044

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1044

caacgcttcc tccg

14

<210> 1045

<211> 29

<212> DNA.

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1045

cggccgagatc accccctttag ttttacaac

29

<210> 1046

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1046

gaattggcac tcaaatgtgt tgtcagaga

29

<210> 1047

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1047

agttaactctg atattgctga tgaaattctc ag

32

<210> 1048

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1048

gttgtaaaaac taaagggtg atc

23

<210> 1049

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1049

cggagaaggc agttgggtat ctcggcg

28

<210> 1050

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1050

caacgcttcc tccg

14

<210> 1051

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1051
ccgtcacgcc tcccccttag ttttacaa. 28

<210> 1052

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1052
gaattggcac tcaaatgtgt tgtcagaga 29

<210> 1053

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1053
cagttactct gatattgctg atgaaattct ca 32

<210> 1054

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1054
gttgtaaaaac taaaggggag gcg 23

<210> 1055
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1055
cggaagaagc agttggaggc gtgacggt

28

<210> 1056
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1056
caacgcttcc tccg

14

<210> 1057
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1057

ccgtcacgcc tcccccttttag ttttacaa

28

<210> 1058

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1058

gaattggcac tcaaatgtgt tgtcagaga

29

<210> 1059

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1059

cagttactct gatattgctg atgaaaattct ca

32

<210> 1060

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1060

gttgtaaaac taaaggggag gcg

23

<210> 1061

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1061

ccaggaagca gttggaggcg tgacggt

27

<210> 1062

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1062

caacgcttcg tgg

13

<210> 1063

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1063

ccgtcacgcc tcccgttagc taagat

26

<210> 1064

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1064

cgagggtttc caaggagttg ttta

24

<210> 1065

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1065

ccctggatca gatttagaga gc

22

<210> 1066

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1066

atcttagcta acgggaggcg

20

<210> 1067

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1067

cggaagaagc agttggaggc gtgacggt

28

<210> 1068

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1068

caacgcttcc tccg

14

<210> 1069

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1069

ccgtcacgcc tcagttgttt ccgtt

25

<210> 1070

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1070
agaggtacaa acgaggttt ccaaggc 27

<210> 1071

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1071
agctaagatc cctggatcag atttagaga 29

<210> 1072

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1072
aacggaaaca actgaggcg 19

<210> 1073

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1073
ccaggaagca agtggaggcg tgacggu 27

<210> 1074
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3) .. (3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 1074
cactgcttcg tgg

13

<210> 1075
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1075
ccgtcacgcc tccccgttagc ta

22

<210> 1076
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1076
caaacgaggt tttccaagga gttga

25

<210> 1077
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1077
agatccctgg atcagattta gagagctc

28

<210> 1078
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1078
tagctaacgg aaagaggcg

19

<210> 1079
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1079
ccaggaagca agtggaggcg tgacggu

27

<210> 1080
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 1080
cactgcttcg tgg

13

<210> 1081
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1081
ccgtcacgcc tcccgttag

19

<210> 1082
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1082
agaggtacaa acgaggttt ccaaggaga

29

<210> 1083
<211> 28
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1083

ctaaagatccc tggatcagat ttagagag

28

<210> 1084

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1084

ctaacggaaa caagaggcg

19

<210> 1085

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1085

ccaggaagca agtggaggcg tgacggu

27

<210> 1086

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>
<221> misc_feature
<222> (3)...(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 1086
cactgcttcg tgg

13

<210> 1087
<211> 37
<212> DNA
<213> Artificial Sequence.

<220>
<223> Synthetic
<400> 1087
aacgaggcgacaccttaccaa tgccataagaa aagagtt

37

<210> 1088
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1088
tgcatatttt ttctgtcaact ctcccttttc caatta

36

<210> 1089
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1089
aactctttc ttaggcattt tgaagggtgcg 30

<210> 1090

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1090
cgaggaagc agttggtgcg cctcgtaa 29

<210> 1091

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1091
caacgcttcc tccg 14

<210> 1092

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1092
cagtcacgtc tctttcaaa atgcctaaga aaagagt 37

<210> 1093

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1093
tctgcattat ttttctgtca ctctcctttt tccaata 37

<210> 1094

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1094
actctttct. taggcatttt gaagagagac g 31

<210> 1095

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1095
gctactgaga tgaaggagac gtgactgt 29

<210> 1096
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1096
cttctctcag tagc

14

<210> 1097
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1097
aacgaggcgac accctttgc cagttcc

27

<210> 1098
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1098

gctctgcagg atttcatgt caccata

27

<210> 1099

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1099

gaggaactgg caaaagggtg cg

22

<210> 1100

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1100

gctactgaga tgaaggagac gtgactgt

29

<210> 1101

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1101
cttctctcag tagc

14

<210> 1102

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1102

aacgaggcgc accctttgc cagt

24

<210> 1103

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1103

gctctgcagg atttcatgt caccata

27

<210> 1104

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1104

tcctccagat atccaagaag agactc

26

<210> 1105

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1105

actggcaaaa ggccgggc

17

<210> 1106

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1106

cggaggaaag cagttggtgc gcctcguuaa

30

<210> 1107

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1107

cggaagaaag cagttggtgc gcctcguuaa

30

<210> 1108

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1108
caacgcttcc tccg

14

<210> 1109
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1109
gccgcacgcc gcctttgcc agt

23

<210> 1110
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1110
gctctgcagg atttcatgt caccata

27

<210> 1111
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1111
tcctccagat atccaagaag agactc

26

<210> 1112

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1112
actggcaaaa ggcgggc

17

<210> 1113

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1113
cgaggagaagc agttgcggcg .tgccggca

27

<210> 1114

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1114

caacgcttcc tccg

14

<210> 1115

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1115

aacgaggcgc accctttgc cagttc

26

<210> 1116

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1116

gctctgcagg atttcatgt caccata

27

<210> 1117

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1117

ctccagatat ccaagaagag actc

24

<210> 1118

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1118

gaactggcaa aagggtgcg

19

<210> 1119

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1119

cggaggaagc agttggtgcg cctcgtaa

29

<210> 1120

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1120
caacgcttcc tccg

14

<210> 1121

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1121
ccgtcacgcc tccttgccaa aactgcacc

29

<210> 1122

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1122
ccgtcacgcc tccttgccaa aactgcacca

30

<210> 1123

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1123
ctttatgcac tgacatctaa gttcttagc actca

35

<210> 1124

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1124

tggtcagtt ttgccaaaggga ggcg

24

<210> 1125

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1125

tggtcagtt ttgccaaaggga ggcgtg

26

<210> 1126

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1126

cggagaaggc agttggaggc gtgacggc

28

<210> 1127

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1127
caacgcttcc tccg

14

<210> 1128
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1128
ccgtcacgcc tccatcttca ctgattcttg g

31

<210> 1129
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1129
ccgtcacgcc tccatcttca ctgattcttg ga

32

<210> 1130
<211> 35
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1130
agtgttgaag tagattgct tgaagttca ctgga 35

<210> 1131

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1131
gataccacag agaatgaatt tt 22

<210> 1132

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1132
tccaagaatc agtgaagatg gaggcg 26

<210> 1133

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1133
tccaagaatc agtgaagatg gaggcgtg 28

<210> 1134
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1134
gaatcagtga agatggaggc g

21

<210> 1135
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1135
cggaagaagc agttggaggc gtgacggc

28

<210> 1136
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1136

caacgcttcc tccg

14

<210> 1137

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1137

ccgtcacgcc cttggctcaa ttttgct

27

<210> 1138

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1138

ccattcaatt cctgaaatta aagttcgat attctttgg ca

42

<210> 1139

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1139

cctgaaatta aagttcgat attctttgg ca

32

<210> 1140

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1140

cctgaaatta aagttcggtt attctttgg ca

32

<210> 1141

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1141

agcaaaaattg agccaaaggga ggcg

24

<210> 1142

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1142

agcaaaaattg agccaaaggga ggcgtg

26

<210> 1143

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1143
cggaagaagc agttggaggc gtgacggc

28

<210> 1144

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1144
caacgcttcc tccg

14

<210> 1145

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1145

ccgtcacgcc tccatttca ctgattcttg

30

<210> 1146

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1146

ttcttagcaaa cccattcaat tcctgaaatt aaagttcgga tattcta

47

<210> 1147

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1147

cccattcaat tcctgaaatt aaagttcgga tattcta

37

<210> 1148

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1148

cccattcaat tcctgaaatt aaagttcgga tattcta

37

<210> 1149

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1149

ccaaggggcca aggaggcgt

19

<210> 1150

<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1150
cggaaagaaggc agttggaggc gtgacggc

28

<210> 1151

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)...(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1151
caacgcgttcc tccg

14

<210> 1152

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1152
ccgtcacgcc tccatcttca ctgattc

27

<210> 1153
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1153
agtgttgaag tagatttgct tgaagttca ctgga

35

<210> 1154
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1154
ttggatacca cagagaatga att

23

<210> 1155
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1155
cgaaagaagc agttggaggc gtgacggt

28

<210> 1156
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1156
caacgcttcc tccg

14

<210> 1157
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1157
ccgtcacgccc tccatcttca ctgatt

26

<210> 1158
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1158
agtgttgaag tagatttgct tgaagttca ctgga

35

<210> 1159
<211> 24
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1159

cttggatacc acagagaatg aatt

24

<210> 1160

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1160

cggaaagaagc agttggaggc gtgacggt

28

<210> 1161

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1161

caacgcttcc tccg

14

<210> 1162

<211> 30

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1162
ccgtcacgcc tccatcttca ctgattcttg 30

<210> 1163
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1163
agtgttgaag tagatttgct tgaagttca ctgga 35

<210> 1164
<211> 27
<212> DNA
<213> Artificial Sequence

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<210> 1165
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<220>

<223> Synthetic

<400> 1165

tccaaagaatc agtgaagatg gaggcgtg

28

<210> 1166

<211> 28

<212> DNA

<213> Artificial Sequence

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<400> 1166

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28

<210> 1167

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<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1167

caacgcttcc tccg

14

<210> 1168

<211> 28

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1168
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<210> 1169

<211> 14

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<213> Artificial Sequence

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1169
caacgcttcc tccg 14

<210> 1170

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1170
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<210> 1171

<211> 14

<212> DNA

<213> Artificial Sequence

<220>
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<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1171
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14

<210> 1172
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1172
ccaggaagca agtggaggcg tgacggu

27

<210> 1173
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<212> DNA
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<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (3)..(3)
<223> The residue at this position is linked to a Z21 quenching group.

<400> 1173
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13

<210> 1174
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1174
cgaggaaggc agttgggtgat ctcggcgg

28

<210> 1175
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<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1175
caacgcttcc tccg

14

<210> 1176
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1176

cggaagaagc agttggaggc gtgacggc

28

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<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1177

caacgcttcc tccg

14

<210> 1178

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1178

ccaggaagca agtgtgtgcgc ctcgttt..

27

<210> 1179

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<213> Artificial Sequence

<220>
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<222> (3)...(3)
<223> The residue at this position is linked to a Z21 quenching group.

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13

<210> 1180
<211> 29
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<220>
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<400> 1180
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29

<210> 1181
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<212> DNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature
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<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1181

caacgcttcc tccg

14

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<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1182

cggaggaagg ggttgggtat ctccggcggca

30

<210> 1183

<211> 14

<212> DNA

<213> Artificial Sequence

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<220>

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<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1183

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14

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<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1184

gctactgaga tgaaggagac gtgactgt

29

<210> 1185

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1185

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14

<210> 1186

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1186

ccaggaagca gttggaggcg tgacgg

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<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1187
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13

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<220>
<223> Synthetic
<400> 1188
aggagccact ccattggatg aagc

24

<210> 1189
<211> 30
<212> DNA
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<220>
<223> Synthetic
<400> 1189
atgtacagaa tccccggta tttatgcaga

30

<210> 1190
<211> 24
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<220>

<223> Synthetic

<400> 1190

gtggcgtatc acagacaatg agag

24

<210> 1191

<211> 32

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<223> Synthetic

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cctccattat attcccaagt ataacactct aa

32

<210> 1192

<211> 27

<212> DNA

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<220>

<223> Synthetic

<400> 1192

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27

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1193

ctctcattgt ctgtggtgcg

20

<210> 1194
<211> 32
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<220>
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<400> 1194
cctcccttat attcccaagt ataacactct aa

32

<210> 1195
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
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<400> 1195
agctcaatgc atgtacagaa tccccgg

27

<210> 1196
<211> 27
<212> DNA
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<220>
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<400> 1196
agctcaatgc atgtacagaa tccccgg

27

<210> 1197
<211> 29
<212> DNA
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<220>

<223> Synthetic

<400> 1197
aacgaggcgc accacagaca atgagagag 29

<210> 1198

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1198
ctctctcatt gtctgtggtg cg 22

<210> 1199

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1199
cctcccttat attcccaagt ataacactct aa 32

<210> 1200

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1200
ctcaatgcatt gtacagaatc cccgggtt 27

<210> 1201
<211> 31
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<220>
<223> Synthetic

<400> 1201
aacgaggcgc accacagaca atgagagagc t

31

<210> 1202
<211> 24
<212> DNA
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<220>
<223> Synthetic
<400> 1202
agtcctctca ttgtctgtgg tgcg

24

<210> 1203
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1203
cctcccttat attcccaagt ataacactct aa

32

<210> 1204
<211> 14
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<213> Artificial Sequence

<220>
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<220>
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<222> (4)...(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1204
caacgcttcc tccg 14

<210> 1205
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1205
aacgaggcgc accacagaca atgagagagc 30

<210> 1206
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1206
gctctctcat tgtctgtggt gcg 23

<210> 1207
<211> 32
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1207

cctccctttat attcccaagt ataacactct aa

32

<210> 1208

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

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<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1208

caacgcttcc tccg

14

<210> 1209

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1209

aacgaggcgc accacagaca atgagaga

28

<210> 1210

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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aacgaggcgc accacagaca atgagaga

28

<210> 1211

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1211

tctctcattg tctgtggtgc gc

22

<210> 1212

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1212

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28

<210> 1213

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1213
cctcctttat attcccaagt ataacactct aa

32

<210> 1214

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1214
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26

<210> 1215

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1215
tctcattgtc tgtggtgcg

20

<210> 1216

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1216
cctcctttat attcccaagt ataacactct aa

32

<210>, 1217

<211> 27
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<220>

<223> Synthetic

<400> 1217
gagctcaatg catgtacaga atcccccg

27

<210> 1218

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1218
aacgaggcgc acctcttatac agagctc

27

<210> 1219

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1219
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27

<210> 1220

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1220
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<210> 1221

<211> 20

<212> DNA

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<220>

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<400> 1221
gagctctgat aagagggtgcg 20

<210> 1222

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1222
ccgtcacgccc tcgccccaca 20

<210> 1223

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1223
tgtggggcga ggcg 14

<210> 1224
<211> 28
<212> DNA
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<220>
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<400> 1224
cagcacaggc tgttgaccat cataaaac

28

<210> 1225
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<223> Synthetic
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cuuuuccaua cuuuuuauga cauuc

25

<210> 1226
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1226
cttttccaga ctttttatga cattc

25

<210> 1227
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<212> DNA
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<220>

<223> Synthetic

<400> 1227
cttttccaga ctttttatga c 21

<210> 1228

<211> 20

<212> DNA

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<220>

<223> Synthetic

<400> 1228
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<210> 1229

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1229
ccgtcacgccc tcgccccaca 20

<210> 1230

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1230
cagcacagggc tggtgaccat cataaaac 28

<210> 1231
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<220>
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<400> 1231
cuuuuccaua cuuuuuauga cauuc

25

<210> 1232
<211> 20
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<220>
<223> Synthetic
<400> 1232
ccgtcacgccc tcgccccacc

20

<210> 1233
<211> 20
<212> DNA
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<220>
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<400> 1233
ccgtcacgccc tcgccccacg

20

<210> 1234
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1234
ccgtcacgcc tcgccccact 20

<210> 1235

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1235
tgtggggcga ggcg 14

<210> 1236

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1236
cagcacaggc tgttgaccat cataaaac 28

<210> 1237

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1237
cuuuuccaua cuuuuauga cauuc 25

<210> 1238
<211> 25
<212> DNA
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<220>
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<400> 1238
ccgtcacgcc tgatcataaaa agccc

25

<210> 1239
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19

<210> 1240
<211> 19
<212> DNA
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<220>
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<400> 1240
cagcacagggc tggtgaccc

19

<210> 1241
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<212> DNA
<213> Artificial Sequence

<220>

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<400> 1241
cacactttc catactttt atg 23

<210> 1242

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1242
aacgaggcgc acccattgga tgaag 25

<210> 1243

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1243
cttcatccaa tgggtgcgc 19

<210> 1244

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1244
gtacagaatc cccggttatt tatgcagta 29

<210> 1245
<211> 18
<212> DNA
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<400> 1245
cccatcttca tttcagag

18

<210> 1246
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
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gtggcgatc gtgtctaatt tcaag

25

<210> 1247
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<212> DNA
<213> Artificial Sequence

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aatgggtttt tctggtgaa gaagtccttg a

31

<210> 1248
<211> 28
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<220>

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<400> 1248
aacgaggcgc accgtgtcta atttcaag 28

<210> 1249

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1249
aacgaggcgc accgtgtcta atttcaaggg 30

<210> 1250

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1250
cttcaaattt gacacgggtgc g 21

<210> 1251

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1251
aatgggtttt tctgggtgaa gaagtcccttg a 31

<210> 1252
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1252
aacaggcgcc accgtgtcta atttcaag

28

<210> 1253
<211> 21
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<220>
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cttggaaatta gacacgggtgc g

21

<210> 1254
<211> 31
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<400> 1254
aatgggaaaa tctgggttgaa gaagtcccttg a

31

<210> 1255
<211> 24
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<220>

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<400> 1255
gggatctgtg tttctttaca aggt 24

<210> 1256

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1256
aacgaggcgc accgtgtcta atttcaag 28

<210> 1257

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1257
cttgaattt gacacggttc tc 22

<210> 1258

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1258
ggttttctg gttgaagaag tccttga 27

<210> 1259
<211> 15
<212> DNA
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<220>
<223> Synthetic

<400> 1259
gggatctctg tttct

15

<210> 1260
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
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<400> 1260
aacgaggcgc accgtgtcta atttcaaggg

30

<210> 1261
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1261
cccttgaaat tagacacggc gcg

23

<210> 1262
<211> 31
<212> DNA
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<220>

<223> Synthetic

<400> 1262
aatgggtttt tctgggtgaa gaagtccttg a 31

<210> 1263

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1263
caacgc ttcc tccg 14

<210> 1264

<211> 29

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1264
aacgaggcgc accgtgtcta atttcaagg 29

<210> 1265

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1265

aacgaggcgc accgtgtcta atttcaagg

29

<210> 1266

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1266

ccttgaatt agacacggtg cgcc

23

<210> 1267

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1267

ccttgaatt agacacggtg cgcc

23

<210> 1268

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1268
aatgggtttt tctggtgaa gaagtccttg a

31

<210> 1269

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1269
ggatctgtgt ttctttacaa ggtttgaagg ag

32

<210> 1270

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1270
aacgaggcgc accgtgtcta atttcaa

27

<210> 1271

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1271
ttgaaaattag acacggtgcg c

21

<210> 1272

<211> 31

<212> DNA

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<400> 1272

aatgggtttt tctggtgaa gaagtccttg a

31

<210> 1273

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1273

ggggatctgt gtttctttac aagg

24

<210> 1274

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1274

aacgaggcgc accgtgtcta atttca

26

<210> 1275

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1275

tgaaattaga cacggtgac

20

<210> 1276

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1276

ggttttctg gttgaagaag tccttga

27

<210> 1277

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1277

aggggatctg tgtttct

17

<210> 1278

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1278

tggcgtatct gacccttgg gaat

24

<210> 1279

<211> 29
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<220>
<223> Synthetic
<400> 1279
gaagagcata agttggaaatc accaccata 29

<210> 1280
<211> 24
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atacggttgg tcctctcaag tcta 24

<210> 1281
<211> 30
<212> DNA
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<220>
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<400> 1281
ccccattgat ttcaacatct ttcttgcaac 30

<210> 1282
<211> 26
<212> DNA
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<220>

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<400> 1282
aacgaggcgc acgcgtgtct aatttc 26

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tttagggagat ttgacgtgcg cc

22

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gacttggAAC ccagtgcGCC 20

<210> 1668

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<210> 1669

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<210> 1670

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<400> 1670
gacttggAAC ccagtgcGCG 18

<210> 1671
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<400> 1671
aacgaggcgc actgggttcc aagtgcg

26

<210> 1672
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cgacttggaa cccagtgcg

20

<210> 1673
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aacgaggcgc acaaccatca agttctata

29

<210> 1674
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<220>

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<400> 1674
ggaatcgta ctaactgaccc tttgggtata aacac 35

<210> 1675

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1675
tctttttac agactctctc aagtctatta cc 32

<210> 1676

<211> 23

<212> DNA

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<220>

<223> Synthetic

<400> 1676
tatagaacctt gatggtgtg cgc 23

<210> 1677

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1677
aacgaggcgca acaaccatca agttcta 27

<210> 1678
<211> 34
<212> DNA
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<220>
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<400> 1678
tatctttttt acagactctc tcaagtctat tacc

34

<210> 1679
<211> 21
<212> DNA
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tagaaacttga tggtttgcg c

21

<210> 1680
<211> 23
<212> DNA
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<220>
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cagtcacgtc tcctcggcag ggc

23

<210> 1681
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<400> 1681
cacaatatcg taggtaggag gtgccttaa 29

<210> 1682

<211> 17

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<400> 1682
gccctgccga ggagacg 17

<210> 1683

<211> 22

<212> DNA

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<220>

<223> Synthetic

<400> 1683
cagtacacgtc tcctcgccag gg 22

<210> 1684

<211> 19

<212> DNA

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<220>

<223> Synthetic

<400> 1684
ccccatcgat ctcctcctg 19

<210> 1685
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<220>
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<400> 1685
ccctgccgag gagacg

16

<210> 1686
<211> 21
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<220>
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<400> 1686
cagtcacgtc tcctcgacag g

21

<210> 1687
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<400> 1687
gccccatcga tctcctcc

18

<210> 1688
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<400> 1688

cctgccgagg agacg

15

<210> 1689

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<212> DNA

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<223> Synthetic

<400> 1689

cagtcacgtc tcctcgccag

20

<210> 1690

<211> 18

<212> DNA

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<220>

<223> Synthetic

<400> 1690

ggcccccatacg atctccctc

18

<210> 1691

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<213> Artificial Sequence

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<400> 1691

ctgccgagga gacg

14

<210> 1692
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<400> 1692
ccgtcacgcc tcctcgga g

21

<210> 1693
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cctgcccagg aggcg

15

<210> 1694
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<400> 1694
gccccatcga tctcctcc

18

<210> 1695
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<400> 1695
ccgtcacgcc tcctcggcag g 21

<210> 1696

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1696
ccgtcacgcc tcggcttgc tgttc 25

<210> 1697

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1697
ccggatagg ttcaaggagg cgtc 24

<210> 1698

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1698
ggtttcatgg gggtccct 18

<210> 1699
<211> 19
<212> DNA
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<220>
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<400> 1699
gaacacacaa gccgaggcg

19

<210> 1700
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 1700
ccgtcacgcc tcgccttgtt ttgg

24

<210> 1701
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1701
ccaaacaaag gcgaggcg

18

<210> 1702
<211> 34
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1702
gggcaacatt gacataaagt gtttgcgtac tctc 34

<210> 1703

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1703
gttcgaattc catgtcatc 19

<210> 1704

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1704
ccgtcacgcc tcgcctttgt ttg 23

<210> 1705

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1705
caaacaagg cgaggcg 17

<210> 1706
<211> 20
<212> DNA
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<220>
<223> Synthetic

<400> 1706
ggttcgaatt ccatgtcatc

20

<210> 1707
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1707
aacaggcgcc acgctcctgg aagatg

26

<210> 1708
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1708
catttccag gagcgtgcgc c

21

<210> 1709
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1709

cacttgattt tggagggatc tca

23

<210> 1710

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (13) .. (13)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1710

aaaagtggct cctc

14

<210> 1711

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (15) .. (15)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1711
aaaagaggct ccgctc

16

<210> 1712

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (15) .. (15)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1712
aaaatgtacg ccgctc

16

<210> 1713

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1713
aaaagatacg ccacagtc

19

<210> 1714
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (19) .. (19)
<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1714
aaaacccaacc gatatgaactc 20

<210> 1715
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (16) .. (16)
<223>

<400> 1715
aaaatcatac gccactc 17

<210> 1716
<211> 32
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1716

cggaggaagc agttggtgta cctcggtgcc tt

32

<210> 1717

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1717

cggaggaagc agttggtgcc cctcggttaa

29

<210> 1718

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1718

cggaggaagc agttggtgcg cctcggttaa

29

<210> 1719

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1719
cggaagaagc agttggtgcg cctcgtaa

29

<210> 1720

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1720

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1721

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1721

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1722

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1722

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1723

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1723

cggaagaagc agttggaggc gtgacggt

28

<210> 1724

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1724

cggaagaagc agttggaggc gtgacgg

28

<210> 1725

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1725

cggaagaagc agttggaggc gtgacgg

28

<210> 1726

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1726
cggaagaagc agttggaggc gtgacggt

28

<210> 1727

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1727
cggaagaagc agttggaggc gtgacggt

28

<210> 1728

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1728
cggaagaagc agttggaggc gtgacggt

28

<210> 1729

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1729
cggaagaagc agttggaggc gtgacgga

28

<210> 1730

<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1730
caacgcttcc tc

12

<210> 1731
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1731
caacgcttcc tcc

13

<210> 1732
<211> 14
<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1732
caacgcttcc tccg

14

<210> 1733

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1733
caacgcttcc tccguu

16

<210> 1734

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1734
caacgcttcc tccguuuu 18

<210> 1735

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1735
caacgcttcc tccg 14

<210> 1736

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (30)..(30)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base
<222> (31)..(31)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1736.
cgaaatata acgccttctt gggcatgtac c

31

<210> 1737
<211> 31
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature
<222> (30)..(30)

<223> The residue at this position is linked to a C18 linker.

<220>
<221> modified_base
<222> (31)..(31)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1737
cgaaatata acgccttctt gggcatgtac c

31

<210> 1738
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic
<220>
<221> modified_base
<222> (23) .. (23)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1738
ctgaagatgt ttcagttctg tgc

23

<210> 1739
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1739
gaagatgtt cagttctgtg gc

22

<210> 1740
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1740
tcacttccta ccttcttggg catgtaa

27

<210> 1741
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1741
tcacttccta ctttcttggg catgtaaaac 30

<210> 1742

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (27) .. (27)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28) .. (28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1742
tcacttccta ctttcttggg catgtaac 28

<210> 1743

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base
<222> (22)..(22)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1743
gaagatgtt cagttctgtg gc

22

<210> 1744
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1744
acttcctact taattccatt caaaatc

27

<210> 1745
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (27)..(27)
<223> The residue at this position is attached to a C18 linker.

<220>
<221> modified_base
<222> (28)..(28)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1745
acttcctact taattccatt caaaatcc

28

<210> 1746

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1746
gagtttggga ttcttgtaat tatc

24

<210> 1747

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1747

cgttgtctgt ggcgttatctt aattccattc aaaatc

36

<210> 1748

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1748

cgttgtatgtt ggcgttatctt aattccatttc aaaatc

36

<210> 1749

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24) .. (24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1749

gagtttggga ttcttgtaat tatac

24

<210> 1750

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1750

cgttgtatgtt ggcgttatctt aattccatttc aaaatcatct g

41

<210> 1751

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1751
cgttgtctgt ggcgtatctt aattccattc aaaatcatct g 41

<210> 1752

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1752
cgttgtctgt ggcgtatctt aattccattc aaaatcatc 39

<210> 1753

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1753
cgttgtctgt ggcgtatctt aattccattc aaaatcatc 39

<210> 1754

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24) .. (24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1754

gagtttggga ttcttgtaat tatac

24

<210> 1755

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1755

tccctactct tgcatcttcat tgtgc

25

<210> 1756

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1756

ctcaggagga gcaatgatct t

21

<210> 1757

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1757

ctcaggagga gcaatgat

18

<210> 1758
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (28)..(28)
<223> The residue at this position is attached to a C18 linker.

<220>
<221> modified_base
<222> (29)..(29)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1758
tcacttccta ctctgggtca tcttctcgc 29

<210> 1759
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (28)..(28)
<223> The residue at this position is attached to a C18 linker.

<220>
<221> modified_base
<222> (28)..(28)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1759
tcacttccta ctctgggtca tcttctcg

29

<210> 1760
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (24)..(24)
<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1760
gtgttgaagg tctcaaacat gatc

24

<210> 1761
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (26)..(26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1761
gggtgttgaa ggtctaaac atgatc

26

<210> 1762

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1762
cgtttctgt ggcgttatctg ggtcatcttc tcg

33

<210> 1763

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1763
cgtttctgt ggcgttatctg ggtcatcttc tcg

33

<210> 1764

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (26) .. (26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1764

gggtgttgaa ggtctcaaac atgatc

26

<210> 1765

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1765

ttcatacggt tggtagttga ggtcaatg

28

<210> 1766

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1766

ttcatacggt tggtagttga ggtcaatg

28

<210> 1767

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1767

ggaatcatat tggaacatgt aaaccatc

28

<210> 1768
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 1768
ttcatacggt tggctcctgg aagatg

26

<210> 1769
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1769
ttcatacggt tggctcctgg aagatg

26

<210> 1770
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1770
caacttgattt tggagggttc tca

23

<210> 1771
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1771
ttcatacggt tggtagttga ggtcaatg 28

<210> 1772

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1772
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25

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19

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23

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25

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21

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26

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21

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21

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22

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23

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23

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23

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23

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25

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21

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<210> 1793

<211> 25

<212> DNA

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13

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<220>

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<220>

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<400> 1798
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<223> Synthetic

<400> 1799
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<210> 1800

<211> 14

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1800
cttggagccc taga 14

<210> 1801
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20

<210> 1802
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21

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25

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<212> DNA

<213> Artificial Sequence

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<400> 1805
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<210> 1806

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<212> DNA

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<220>

<223> Synthetic

<400> 1806
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<210> 1807

<211> 22

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<400> 1807
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<210> 1808
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25

<210> 1809
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28

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<400> 1811
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<210> 1813

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<400> 1813
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tggcgtatct ccccagaga

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25

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19

<210> 1818
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<212> DNA
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<223> Synthetic

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<210> 1819

<211> 23

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<213> Artificial Sequence

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<210> 1820

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<213> Artificial Sequence

<220>

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<400> 1820
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<210> 1821

<211> 24

<212> DNA

<213> Artificial Sequence

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<400> 1821
aggcagctct caggtcaggt gtga 24

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cagtctgaga tgaatgagac gagagagt

28

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15

<210> 1825

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<223> Synthetic

<400> 1825

caaaacctga agagac

16

<210> 1826

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<212> DNA

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<223> Synthetic

<400> 1826

caaaacctga agagacg

17

<210> 1827

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1827

ctctctcgta tcttcagggtt ttg

23

<210> 1828

<211> 23

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<400> 1828

ctctctcgta tcttcagggtt ttg

23

<210> 1829

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<400> 1829

ggcagctctc aggtcagggtg tga

23

<210> 1830

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<223> Synthetic

<400> 1830

gaggcggata tagggct

17

<210> 1831

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1831
ctctctcgac ttcttaaggac tta

23

<210> 1832

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1832

ctctctcgac ttcttaaggac ttac

24

<210> 1833

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25

<210> 1834

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<213> Artificial Sequence

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<223> Synthetic

<400> 1834

tcaacgtctct tcaggttttg

20

<210> 1835

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<400> 1835
gtcacgtctc ttcaggttt g

21

<210> 1836

<211> 22

<212> DNA

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<400> 1836
agtcacgtct cttcaggtt tg

22

<210> 1837

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1837
cagtcacgtc tcttcaggtt ttg

23

<210> 1838

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<212> DNA

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<400> 1838

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14

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30

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<211> 30

<212> DNA

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<400> 1841
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<210> 1842

<211> 30

<212> DNA

<213> Artificial Sequence

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<400> 1842
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<210> 1843

<211> 14

<212> DNA

<213> Artificial Sequence

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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29

<210> 1845

<211> 14

<212> DNA

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<223> Synthetic

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<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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14

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<211> 28

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<220>

<223> Synthetic

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28

<210> 1847

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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aacgaggcgc acgatgtcca tcga

24

<210> 1848

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<220>

<223> Synthetic

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24

<210> 1849

<211> 28

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<400> 1849

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28

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<400> 1850
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<400> 1852
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<211> 21

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<400> 1853
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<223> Synthetic

<400> 1854

agatgggaga gaggcg

16

<210> 1855

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ccgtcacgcc tcgaagccct gt

22

<210> 1856

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acttcgatgt cacggatgt catatgg

27

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<211> 15

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gcaggaaggc ctcccg

15

<210> 1861

<211> 20
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20

<210> 1862

<211> 19

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<400> 1862
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19

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24

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24

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ccgtcacgcc tccctgctga gaaa

24

<210> 1866

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<223> Synthetic

<400> 1866

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<210> 1867

<211> 15

<212> DNA

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<220>

<223> Synthetic

<400> 1867

ggcaggaagg cctcc

15

<210> 1868
<211> 18
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<400> 1868
tttctcagca gggaggcg

18

<210> 1869
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ccgtcacgccc tccctgctga ga

22

<210> 1870
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<400> 1870
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17

<210> 1871
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<400> 1871
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<210> 1872

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<212> DNA

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<400> 1872
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<210> 1873

<211> 16

<212> DNA

<213> Artificial Sequence

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<400> 1873
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<210> 1874

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<212> DNA

<213> Artificial Sequence

<220>

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<400> 1874
tttcagcag ggaggcg 17

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25

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15

<210> 1877
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19

<210> 1878
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<211> 27

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<400> 1879
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<211> 21

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<223> Synthetic

<400> 1880
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<210> 1881

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<400> 1881
gggatatggt ggtgcgc 17

<210> 1882
<211> 23
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<400> 1882
ccgtcacgccc tccaccatata ccc

23

<210> 1883
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<400> 1883
ccgtcacgccc tccaccatata ccc

23

<210> 1884
<211> 23
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<400> 1884
ccgtcacgccc tccaccatata ccc

23

<210> 1885
<211> 17
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<220>

<223> Synthetic

<400> 1885
gggatatggt ggaggcg 17

<210> 1886

<211> 25

<212> DNA

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aacgaggcgc accagagctg atgag 25

<210> 1887

<211> 29

<212> DNA

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<223> Synthetic

<400> 1887
gagaagagct caaacagctg gccgaataa 29

<210> 1888

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1888
tggaaaagtc tggtagaaca agttcagc 28

<210> 1889
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ctcatcagct ctgggtgcgc

19

<210> 1890
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25

<210> 1891
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<400> 1891
ctcatcagct ctggaggcg

19

<210> 1892
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1892
aacaggcgcc acccttggat ttc 23

<210> 1893

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1893
ctgttcaatc tccctgtaga ctctcta 27

<210> 1894

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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<210> 1895

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<400> 1895
gaaatccaag ggtgcgc 17

<210> 1896
<211> 23
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<220>
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<400> 1896
ccgtcacgcc tcccttggat ttc

23

<210> 1897
<211> 17
<212> DNA
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<400> 1897
gaaatccaag ggaggcg

17

<210> 1898
<211> 20
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<400> 1898
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20

<210> 1899
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<400> 1899
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<210> 1900

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ggattcaatg aggagagagg cg 22

<210> 2167

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2167
ccgtcacgccc tctctcctca ttgaatc 27

<210> 2168

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2168
gattcaatga ggagagaggc g 21

<210> 2169
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2169
ccggcgagat cactctcctc attgaatc

28

<210> 2170
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2170
gattcaatga ggagagtgtat ctc

23

<210> 2171
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2171
ccaaaagtcc agtgatgatt ttcaccaggc aaga

34

<210> 2172
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2172

cggaggaago agttggtgcg cctcgtaa

29

<210> 2173

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2173

caacgcttcc tccg

14

<210> 2174

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2174

ccaggaagca agtgtggcgc ctcgttt

27

<210> 2175

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2175

cactgcttcg tgg

13

<210> 2176

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2176

cggaaagaagc agttggaggc gtgacggt

28

<210> 2177

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2177
caacgcttcc tccg

14

<210> 2178

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2178
cggaagaagc agttggaggc gtgacggc

28

<210> 2179

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2179
caacgcttcc tccg

14

<210> 2180

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2180
ccaggaagca agtggaggcg tgacggu 27

<210> 2181

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2181
cactgcttcg tgg 13

<210> 2182

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2182
cgaggaaagc agttggtgat ctcggcgg 28

<210> 2183

<211> 14

<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2183
caacgcttcc tccg

14

<210> 2184
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2184
cggaagaagc agttgggtat ctcggcgg

28

<210> 2185
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2185
caacgcttcc tccg

14

<210> 2186

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2186

gctactgaga tgaaggagac gtgactgt

29

<210> 2187

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2187

cttctctcag tagc

14

<210> 2188

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2188

ccgaggaagc ggttgcgtac gactggtaa

30

<210> 2189

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2189

caacgcttcc tccg

14

<210> 2190

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2190

cgaggaagc ggttggtgcg ggtgggtgg

29

<210> 2191

<211> 14

<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2191
caacgcttcc tccg

14

<210> 2192
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2192
caacgcttcc tccg

14

<210> 2193
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2193
attctctcag ac

12

<210> 2194
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (4)..(4)
<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2194
taacgcttcc tccg

14

<210> 2195
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Dabcyl quencher.

<400> 2195
caatgcttcc tccg

14

<210> 2196

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2196

ctcttcctcag tgcg

14

<210> 2197

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2197
cactgcttcg tgg

13

<210> 2198

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z28 quenching group.

<400> 2198
cactgcttcg tgg

13

<210> 2199

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2199
cttctctcag ac

12

<210> 2200

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2200

cggaggaagc agttggaggc gtgacggt

28

<210> 2201

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2201

cggaggaagc agttgtggcg gtgacggtt

29

<210> 2202

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2202

cagtctgaga tgaatgagac gagagagt

28

<210> 2203

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2203
cggaggaagc ggtagtctg tcacgtcat 29

<210> 2204

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2204
cggaggaagc ggtagtctg ccacgtcat 29

<210> 2205

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2205
cggaagaagc agttggtgcg cctcgtaa 29

<210> 2206

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2206
cggaggaagc agttggtgcg cctcgtaa 29

<210> 2207
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2207
cggaggaagc agttgcggcg tgccggct

27

<210> 2208
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2208
gcgcagttag aatgaggagg cgtgacggu

29

<210> 2209
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2209
ccaggaagca agtggtgccgc ctgcuuu

27

<210> 2210
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2210

cagtctgaga tgaatgatac gccagg

26

<210> 2211

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2211

agtctgagat gaaggagacg tgactgtgg

29

<210> 2212

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2212

cggaggaagg ggttgggtgat ctcggcg

27

<210> 2213

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2213

tctgtggcgt atccttcttg ggcattaa

29

<210> 2214
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2214
gtggcgtatc cttcttgggc atgtaa

26

<210> 2215
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2215
gcgtatccctt cttgggcatg taa

23

<210> 2216
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (22) ..(22)
<223> The modified nucleotide at this position is a dideoxy cytosine.

<400> 2216
gaagatgttt cagttctgtg gc

22

<210> 2217
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (23)..(23)
<223> The modified nucleotide at this position is biotinylated deoxyadenosine.

<400> 2217
aaaagatacg ccacagaaca cgatt 25

<210> 2218
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2218
tggcgtatct taattccatt caaaat 26

<210> 2219
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 2219
tggagtttg ggattcttgt aattaa

26

<210> 2220

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2220
aaaagatacg ccacagctc

19

<210> 2221

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2221
tggcgatatct aattatataat tccattc

27

<210> 2222

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2222

atcctggta gtttgggatt cttga

25

<210> 2223

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine:

<400> 2223

aaaagatacg ccacagctc

19

<210> 2224

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2224

tggcgatatct tccattcaaa atcatac

26

<210> 2225

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2225
gttgggatt cttgttaatta ttaaa 25

<210> 2226

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2226
aaaagatacg ccacagctc 19

<210> 2227

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2227
gtggcgatc cttcttgggc at 22

<210> 2228

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2228

gaagatgttt cagttctgtg gc

22

<210> 2229

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2229

aaaagatacg ccacagctc

19

<210> 2230

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2230

tggcgtatct ctgggtcatc ttc

23

<210> 2231

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2231

gggtgttgaa ggtctcaaac atgaa

25

<210> 2232

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2232

aaaagatacg ccacagctc

19

<210> 2233

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2233

tggcgatct cttgatcttc atttgt

25

<210> 2234

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2234

acttgcgctc aggaggagca atgaa

25

<210> 2235

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18) .. (18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2235

aaaagataacg ccacagctc

19

<210> 2236

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2236

tggcgatct gatctgggtc atct

24

<210> 2237

<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 2237
tggctgggtt gttgaaggtc tcaaacaa

28

<210> 2238
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (18)...(18)
<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2238
aaaagatacg ccacagctc
<210> 2239
<211> 22
<212> DNA
<213> Artificial Sequence

19

<220>
<223> Synthetic
<400> 2239
accgtatct gcccaggaag ga

22

<210> 2240

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2240

agtttcgtgg atgccacagg agaccaa

27

<210> 2241

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2241

agtttcgtgg atgctacagg agaccaa

27

<210> 2242

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2242

aaaagatacg ccacagctc

19

<210> 2243

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2243
tggcgtatct ctcaaacatg atct 24

<210> 2244

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2244
acgtacatgg ctggggtgtt gaagga 26

<210> 2245

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2245
aaaagatacg ccacagctc 19

<210> 2246

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2246

tggcgtatct gatctgggtc atc

23

<210> 2247

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2247

tggctgggtt gttgaaggtc tcaaacaa

28

<210> 2248

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2248

aaaagatacg ccacagctc

19

<210> 2249

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2249

ccgtcacgccc tcgccttggg gttc

24

<210> 2250

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2250

tctgggtcat cttctcgccg ttga

24

<210> 2251

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2251

gaaccccaag .gcgaggcgt

19

<210> 2252

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2252

ccgtcacccgc catgggtcat cttct

25

<210> 2253

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2253

cgcgggttggc cttggggtt

19

<210> 2254

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2254

ctgggggtgtt gaagggtctca aacatgatcc

30

<210> 2255

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2255

agaagatgac ccatggcg

19

<210> 2256

<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2256
ctctctcgta ttcctggaa ga

22

<210> 2257
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2257
attttagttt agtggggctt cgca

24

<210> 2258
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2258
ctctctcgta tctgctgaca atc

23

<210> 2259
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2259
gcagttggtg gtgcaggatg cata

24

<210> 2260
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2260
ctctctcgta tctaccaggaa atcg

24

<210> 2261
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2261
gctgttagcccg tattcattgt caa

23

<210> 2262
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2262
ctctctcgta tcctccctgga ag

22

<210> 2263
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2263
catttgatgt tagtggggtc tcga

24

<210> 2264
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2264
ctctctcgtc tctcctggaa ga

22

<210> 2265
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2265
atttgatgtt agtggggtct cgca

24

<210> 2266
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2266
tcttcagga gagacg 16

<210> 2267

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2267
ctctctcgta tcctcctgga ag 22

<210> 2268

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2268
catttgatgt tagtggggtc tcga 24

<210> 2269

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2269
cttccaggag gagacg 16

<210> 2270
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2270
ctctctcgta tctaccagga aatg

24

<210> 2271
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2271
gctgttagccg tattcattgt caa

23

<210> 2272
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 2272
catttcctgg tagagacg

18

<210> 2273
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2273
atgacgtgac agacctcctg gaagat 26

<210> 2274

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2274
atgacgtgac agacctcctg gaagatg 27

<210> 2275

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24

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18

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23

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23

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23

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25

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22

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13

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15

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13

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21

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23

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15

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26

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cgcccgagatc acctcaacac cataaaaagcc a 31

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<400> 2383
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25

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25

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gtataatagt cccgacgatc aaagaggc

28

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<210> 2388

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<400> 2389
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<400> 2390
ctgtcacaca cgtcggtgct ga 22

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<400> 2391
aaaaaggaga cgagagagtg

20

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13

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14

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cagtcgtgaga tgaatgatac gagagagt

28

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cagtcgtgaga tgaatgagac gagagagt

28

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29

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